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DB=PGPB, USPT, USOC, EPAB, JPAB, DWPI; PLUR=YES; OP=OR			
Γ	L6	L4 and (bvdv or (bovine adj viral adj diarrhea) or sars or (severe adj acute adj respiratory))	10
Γ.	L5	L4 and (coronavirus or flavivirus)	5
П	L4	L3 and glutathione\$	428
DB=PGPB, USPT, USOC; PLUR=YES; OP=OR			
	L3	(514/18)[CCLS]	2245
	L2	(514/18)![CCLS]	2245
	L1	(514/18)[CCLS]	2245

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COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS) FILE 'SCISEARCH' ENTERED AT 23:13:47 ON 04 MAR 2007 Copyright (c) 2007 The Thomson Corporation 10/565,434 3/5/2007 Primary Examiner Dell Chism FILE 'BIOSIS' ENTERED AT 23:13:47 ON 04 MAR 2007 Copyright (c) 2007 The Thomson Corporation FILE 'HOME' ENTERED AT 23:13:00 ON 04 MAR 2007 => b caplus biosis scisearch medline COST IN U.S. DOLLARS FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 23:13:47 ON 04 MAR 2007

=> s flavivirus and coronavirus
L1 141 FLAVIVIRUS AND CORONAVIRUS

s ll and glutathion? 1 Ll AND GLUTATHION?

-> d 12 bib abs

Incensole and furanogermacrens and compounds in treatment for inhibiting neoplastic lesions and microorganisms Shanahan-Pendergast, Elisabeth APPLICATION NO. CAPLUS COPYRIGHT 2007 ACS on STN PCT Int. Appl., 68 pp. CODEN: PIXXD2 ANSWER 1 OF 1 CAPLU 2002:521462 CAPLUS 137:88442 PATENT NO. English Patent Ę FAE. 1885 SOPI

US 2004092581 A1 20040513 US 2004-250535 20040102
E2 2001-2 A 20010102
WO 2002-1E1 W 20020102
MARPAT 117-88442
The invention discloses the use of incensole and/or furanogermacrens, derive, metabolites and precursors thereof in the treatment of neoplasia, particularly resistant neoplasia and immunodysregulatory disorders. These 20020102 SE, MC, PT, DE, ES, FI, LV, MA, MD 20020102 20020102 Ľ. ដ AU 2002-219472 EP 2002-727007 GB, GR, IT, LI, LU, NL, CY, AL, TR CH, CN, CO, CU, CZ, TM SZ, UG, AT, BE, CH, WO 2002-IE1 20020716 AU 20031015 EP DK, ES, FR, GB, G FI, RO, MK, CY, A 86, CA, SD, SL, S 20020711 0020919 ¥ZÖ, ₩, KIND A2 A3 AU, VN, VN, LS, SN, A1 A2 DE, LV, A1 A1 AT, US, NE, AT, BE, CH, IE, SI, LT, .: ~ E S PRAI Ы S &

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10/565,434 3/5/2007 Primary Examiner Dell Chism

compds. can be administered alone or in combination with conventional chemcherapeutic, antivital, antiparasite agents, radiation and/or surgery. Incemsole and furanogermacrae and their mixture showed antitumor activity against various human carcinomas and melanomas and antimicrobial activity against Staphylococcus aureus and Enterococcus faecalis.

=> 6 glutathion? and reduc? and oxid? L3 68486 GLUTATHION? AND REDUC? AND OXID?

=> s 13 and (sars or bvdv) L4 8 L3 AND (SARS OR BVDV)

=> dup remo 14 PROCESSING COMPLETED FOR L4 1.5 4 DUP REMO L4 (4 DUPLICATES REMOVED)

-> d 15 1-4 bib abs

Preventive or therapeutic composition containing glutathione and/or catechin for viral infectious disease Furukawa, Satoru; Kawabe, Hideo; Ohori, Hitoshi; Mukai, Takao; Matsumoto, ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN 2005:74109 CAPLUS 142:170027 Mitsuyo NI PA SO INAE

Kyowa Hakko Kogyo Co., Ltd., Japan PCT Int. Appl., 32 pp. CODEN: PIXXD2

Japanese DT Pat LA Jap FAN.CNT

APPLICATION NO.

KIND

PATENT NO.

20040722 8 7 8 9 7 8 BG, SC, SC, LU, LU, GA, BB, DZ, IS, WG, WG, CM, SHIRE PRICES 20050127 2005007640 ş

20040722 NL, SE, MC, PT, , GB, GR, IT, LI, LU, N , CZ, EE, HU, PL, SK 9 CN 2004-80019244 4 US 2006-565434 EP 2004-748030 DK, ES, FR, CY, TR, BG, 20060510 유턴 AT, BE, IE, SI,

20040329 20060824 А1 ВВ, ВВ, ВВ ВВ, CN 1816538 US 2006189542 PRAI JP 2003-199593 JP 2004-93952 WO 2004-JP10765

A preventive or therapeutic composition for viral infectious diseases due to virus belonging to the Coronaviridae family or Flaviviridae family comprises at least one substance selected from among reduced glutathione, oxidized glutathione, pharmaceutically acceptable salts thereof, and catechin. Also claimed is 9

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contained reduced glutathione 1 g, sodium acetate 0.3 g, methylparaben 0.1 g, propylparaben 0.02 g, sodium chloride (appropriate amount), HCl or NaOH (amount needed for adjustment of pH), and water to 100 a preventive or therapeutic composition for viral infectious diseases due to virus belonging to the Coronaviridae family or Flaviviridae family comprising reduced or oxidized glutathione, or a pharmaceutically acceptable salt thereof, and catechin. The antivities of reduced glutathione and of catechin (EGCG) were demonstrated. A composition for nasal administration

## THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT 33 RE.CNT

A review. Interfecting activationally carried out in the authors is a pepilotations, based on the works mainly carried out in the authors is an ereviewed. The chips with higher degree of complexity in different materials, such as quartz, glass, polymethyl methacrylate (PWMA), and polydimethyl siloxane (PDMS). A set of methods for surface modification of midnethyl siloxane (PDMS). A set of methods for surface modification of midnethyl solution (PDMS), and polydimethyl siloxane (PDMS). A set of methods for surface modification of midnethyl solution with midnethylation as well as laser induced fluorescence (LIF), UV, electrochem. The use of novel materials for chip fabrications with integrated chip manipulation as well as laser induced fluorescence (LIF), UV, electrochem. and chemiluminescence defection modules have been developed to attain the abilities of complex microfluidic control and data acquisition schemes. A single call/single mol imagining system was built up for dynamic anal. of mol. or cellular events too. Based on the work mentioned above, different functional units, such as membrane, monolithic, isotachophoresis (ITP) etc. monolithic column and an electrophoresis channel was performed on an integrated microchip. And a novel technique has been developed that electin monolithic column and an electrophoresis channel was performed increase of the sensitivity in comparison with the use of gel electrophoresis only. A single mol. detection (SMD) based technique was developed for simultaneously measuring both bulk flow and near-wall flow velocity in the microchip measuring both bulk flow and near-wall flow wellowity in the microchip electrophoresis method was established for simultaneously measuring both bulk flow and electron. An electrical symphoresis method was established for simultaneous determination intrareplular reactive oxygen species (ROS) and reduced qlueathione (GSN) relared to anonyce and anonyce or species and security and propresed and security anonyce or species and security and suppresed and reduced glutathione (GSH) related to apoptosis and oxidative stress. In an effort to develop a novel microfluidic based drug screening platform, systematic studies on the interaction between granulocyte colony-stimulathing factor (G-GSF) and sulfated oligosaccharides were carried out at both mol. and cellular levels. Doxorubicin induced apoptosis of human hepatocellular carcinoma (HepG2) Laboratory on a microfluidic chip Lin, Bingcheng; Qin, Jianhua Dalian Institute of Chemical Physics, The Chinese Academy of Sciences, The recent achievements of microfluidic chip and its ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1 Dalian, 116023, Peop. Rep. China Sepu (2005), 23(5), 456-463 CODEN: SEPUER; ISSN: 1000-8713 Journal; General Review 2005:1138719 CAPLUS 144:33624 SATERS စ္တ 2512

## 10/565,434 3/5/2007 Primary Examiner Dell Chism

was studied using the integrated microfluidic device with concentration generator. In the application phase, severe acute respiratory syndrome (SARS) diagonosis based on reverse transcription.polymerase chain reaction (RT-PCN) an microfluidic chip electrophoresis (MCB) with 18 cases, methylation anal. of the Pl6 gene in 159 samples of patients and refs. for cancer diagnosis and polymorphism anal. of gene in 226 patients and refs. with essential hypertension are described. Porty-three up to date refs. are cited.

ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 2 005:21263 CAPLUS

143:20578 1885

Prokaryotic expression, refolding, and purification of fragment 450-650 of the spike protein of SARS-coronavirus the spike protein of SARS-coronavirus the spike protein of SARS-coronavirus Dabo, Jan-Cun; Jano, Zhen-Dong; Wang, Wei; Gao, Xiao-Ming Department of Immunology, School of Basic Medical Sciences, Peking Diversity Health Science Center, Beijing, Peop. Rep. China Protein Expression and Purification (2005), 39(2), 169-174

AQ CS

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SEAB

The spike (S) glycoprotein is one of the major structure proteins of The spike (S) glycoprotein is one of the major structure proteins of SARS-associated coronavirus (CoV). Fragment 450-650 (8450-650) of the S protein contains receptor-binding domain and neutralizing epitopes. In this study, S450-650 was expressed with a histidine tag in Escherichia coli BL21. Bacterial inclusion bodies containing the recombinant 8450-650 were solubilized with 8 M urea and then applied onto a Ni-nitrilotriacetic acid column. On-column refolding and purification was performed. Reduced glutathione and oxidized glutathione were included in the refolding buffer. In the wash and elution buffers, glycerol and glucose were necessary additives to prevent protein aggregation during purification This refolding and

purification

procedure allowed production of 8450-650 at up to 500 µg/mL in soluble form, which maintained appropriate antigenicity and immunogenicity. It was able to induce strong 1gG responses in BALB/c mice. In Western blot assays, the recombinant S450-650 was recognized by monoclonal Ab against the His-tag and also sera from a convalescent SARS patient. \$450-650-based ELISA system was able to detect anti-SARS-COV 1gG Abs in patient sera.

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2004:1123967 142:91101 TARE

Plasma proteome of severe acute respiratory syndrome analyzed by two-dimensional gel electrophoresis and mass spectrometry Chen, Jenn-Han; Chang, Yu-Wang; Yao, Chen-Wen; Chiueh, Izong-Shi; Huang, Su-Chin; Chien, Ko-Yi; Chen, An; Chang, Feng-Yee; Wong, Chi-Huey; Chen, AU

School of Dentistry, Tri-Service General Hospital, National Defense Medical Center, National Defense University, Taipei, 114, Taiwan Proceedings of the National Academy of Sciences of the United States of S

America (2004), 101(49), 17039-17044 CODEN: PNASA6; ISSN: 0027-8424

National Academy of Sciences 명

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The authors have investigated the plasma proteome by using 2D gel electrophorosis and MS from patients with severe acute respiratory syndrome (SARS). A complete proteomic anal. was performed on four patients with SARS in different time courses, and a total of 3B differential spots were selected for protein identification. Most of the proteins identified are acute phase proteins, and their presence represents the consequence of serial cascades initiated by SARS coronavirus infection. There are several proteins that have never been identified in plasma before using 2D gel electrophorosis, among which peroxiredoxin II was chosen for further study by analyzing addil. 20 plasma samples from patients with probable and suspected SARS and patients with fever, resp. The results showed that the level of plasma peroxiredoxin II in patients with SARS is significantly high and could be secreted by T cells. Taken together, these findings indicate that active innate immune responses, along with the oxidn responses. SARS. 9 2

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141 S FLAVIVIRUS AND CORONAVIRUS
1 S L1 AND GLUTATHION?
68468 GLUTATHION? AND REDUC? AND OXID?
8 S L3 AND (SARS OR BVDV)
4 DUP REMO L4 (4 DUPLICATES REMOVED)

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